

BANGALORE UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

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BUB/CTE/2015-16/

Date: 09-10-2015

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and asphaltting to Virupakshapura and Sir M.V.Layout Main Road and Cross Roads in Ward No.09}

Ref.: Letter No. Testing/BUB/2014-15, dated 07-10-2015

Sample supplied to lab by: Sri.Aswathnarayana Contractor, Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub-Division.
BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision- 2001
53.00	100.00	100
45.00	96.30	95-100
26.50	---	-
22.40	72.00	60-80
11.20	47.00	40-60
4.75	37.50	25-40
2.36	24.60	15-30
0.600	17.60	8-22
0.075	5.00	0-8

TABLE 1.2:

Sl No	Test conducted	Sample No	Test Results	Requirements as per M.O.R.T.H Specification-IV Revision-2001
1.	Combined Flakiness Index and Elongation Index.	001	27.10 %	Not more than 30.0 %
2.	Aggregate Impact Value	-----	22.30%	Not more then 24.00 % for BC Not more then 27.00 % for DBM/ SDBC Not more then 30.00 % for BM

* As furnished by Client.

The results relate only to the samples tested.

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BUB/CTE/2015-16/

Date: 14-10-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to Virupakshapura and Sir M.V.Layout Main Road and Cross Roads in Ward No.09}

Ref.: Letter No. Testing/BUB/2014-15, dated 12-10-2015

Sample supplied to lab by: Sri.Aswathnarayana Contractor,
Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub-Division.
BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

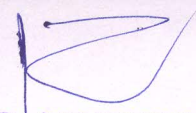
TABLE 1.1

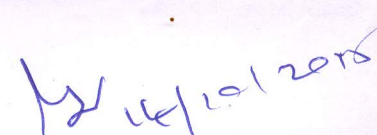
Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision- 2001
53.00	100.00	100
45.00	97.00	95-100
26.50	---	-
22.40	75.00	60-80
11.20	48.20	40-60
4.75	36.00	25-40
2.36	25.10	15-30
0.600	18.00	8-22
0.075	4.80	0-8

*As Furnished by Client

The Results relate only to the items tested

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BUB/CTE/2015-16/

Date: 09-10-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to Virupakshapura and Sir M.V.Layout Main Road and Cross Roads in Ward No.09}

Ref.: Letter No. Testing/BUB/2014-15, dated 07-10-2015

Sample supplied to lab by: Sri.Aswathnarayana Contractor,
Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub-Division.
BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision- 2001
53.00	100.00	100
45.00	97.00	95-100
26.50	---	-
22.40	74.00	60-80
11.20	48.00	40-60
4.75	39.00	25-40
2.36	25.00	15-30
0.600	18.00	8-22
0.075	4.20	0-8

*As Furnished by Client

The Results relate only to the items tested

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BUB/CTE/2015-16/

Date: 05-11-2015

TEST REPORT ON BITUMINOUS MIXES (BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).

{Project*: Improvements and asphaltting to Virupakshapura and Sir M.V.Layout Main Road and Cross Roads in Ward No.09}

Ref.: Letter No. Testing/BUB/2015-16, dated 03-11-2015

Sample supplied to lab by: Sri.Aswathnarayana Contractor,
Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapura Sub-Division.
BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.08%**
2. **Gradation Test :**

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading - 2)
13.2	100	100
9.5	95.30	90—100
4.75	44.00	35—51
2.36	33.10	24—39
1.18	21.00	15—30
0.3	16.80	09—19
0.075	4.80	03—08

* As furnished by Client.

The Results relate only to the items tested.

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